

Amendments to the Claims:

Claims 1-78 are pending in this application. Claims 1-8, 32-44, 49-76 and 78 are withdrawn from consideration. Claims 1-14, 16, 18-25, 27, 30, 32-46 and 48-78 are herein cancelled. Claims 15, 17, 26, 28, 29, 31 and 47 are herein amended. No new matter has been added.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-14 (CANCELLED):

15 (CURRENTLY AMENDED): ~~The system according to claim 9, further comprising~~

An image sensing system comprising:

an image sensing element that photoelectrically converts incoming light from an

image sensing optical system;

a memory that stores information that pertains to a relative position between said

image sensing element and the image sensing optical system;

an adjuster that adjusts the relative position by driving said image sensing element
with respect to the image sensing optical system; and

a temperature sensor,

wherein said adjuster drives said image sensing element based on pre-stored
information read out from said memory to adjust the relative position and the pre-stored
information is obtained by placing a test pattern in front of the image sensing optical system,

wherein said memory stores an adjustment amount of said image sensing element
for each of a plurality of temperatures.

16 (CANCELLED):

17 (CURRENTLY AMENDED): ~~The system according to claim 16,~~ An image sensing system comprising:

an image sensing element that photoelectrically converts incoming light from an image sensing optical system;

a memory that stores information that pertains to a relative position between said image sensing element and the image sensing optical system;

an adjuster that adjusts the relative position by driving said image sensing element with respect to the image sensing optical system;

a field angle adjustment lens; and

a field angle manipulation unit for manipulating a field angle,

wherein said adjuster drives said image sensing element based on pre-stored information read out from said memory to adjust the relative position and the pre-stored information is obtained by placing a test pattern in front of the image sensing optical system, and

wherein said memory stores an adjustment amount of said image sensing element from a predetermined position, which amount sets the image sensing optical system and said image sensing element in a predetermined relative state, for each of a plurality of field angles, and said adjuster adjusts on the basis of the adjustment amount stored in said memory.

18-25 (CANCELLED):

26 (CURRENTLY AMENDED): ~~The method according to claim 20, further comprising~~
A method of controlling an image sensing system which comprises an image sensing element for
photoelectrically converting incoming light from an image sensing optical system, wherein
information that pertains to a relative position of the image sensing element with respect to the
image sensing optical system is stored, and a position adjuster is controlled to adjust the
relative position of the image sensing element with respect to the image sensing optical system
on the basis of the information, the method comprising:

a temperature measurement step,

wherein the memory stores an adjustment amount of the image sensing
element for each of a plurality of temperatures.

27 (CANCELLED):

28 (ORIGINAL): ~~The method according to claim 27,~~ A method of controlling an image
sensing system which comprises an image sensing element for photoelectrically converting
incoming light from an image sensing optical system, wherein information that pertains
to a relative position of the image sensing element with respect to the image sensing optical
system is stored, and a position adjuster is controlled to adjust the relative position of the
image sensing element with respect to the image sensing optical system on the basis of the
information,

wherein the image sensing optical system comprises a field angle
adjustment lens; and a field angle manipulation unit for manipulating a field angle,

wherein the method further comprising a step of detecting a field angle of the field angle adjustment lens, and

wherein a relative state between the image sensing optical system and the image sensing element is adjusted based on the detected field angle.

29 (ORIGINAL): ~~The method according to claim 27,~~ A method of controlling an image sensing system which comprises an image sensing element for photoelectrically converting incoming light from an image sensing optical system, wherein information that pertains to a relative position of the image sensing element with respect to the image sensing optical system is stored, and a position adjuster is controlled to adjust the relative position of the image sensing element with respect to the image sensing optical system on the basis of the information,

wherein the image sensing optical system comprises a field angle adjustment lens; and a field angle manipulation unit for manipulating a field angle,

wherein the image sensing system has a memory that stores an adjustment amount of the image sensing element from a predetermined position, which amount sets the image sensing optical system and the image sensing element in a predetermined relative state, for each of a plurality of field angles, and

adjustment is done based on the adjustment amount read out from the memory.

30 (CANCELLED):

31 (CURRENTLY AMENDED): ~~The method according to claim 20,~~ A method of controlling an image sensing system which comprises an image sensing element for photoelectrically converting incoming light from an image sensing optical system, wherein information that pertains to a relative position of the image sensing element with respect to the image sensing optical system is stored, and a position adjuster is controlled to adjust the relative position of the image sensing element with respect to the image sensing optical system on the basis of the information,

wherein the image sensing system has a first memory that stores an adjustment amount used to correct a tilt of an optical axis of the image sensing optical system with respect to a reference plane, and a second memory that stores an adjustment amount used to correct a tilt of the image sensing element with respect to a reference line, and

upon the adjustment, the adjustment amounts are read out from the first and second memories, the readout adjustment amounts are merged, and adjustment is done using the merged adjustment amount.

32-46 (CANCELLED):

47 (CURRENTLY AMENDED): ~~The system according to claim 45, further comprising~~
An image sensing optical system which is detachably attached to an image sensing apparatus having an image sensing element, comprising:

a plurality of lenses;

a memory that stores an adjustment amount used to correct a tilt of an optical axis of said image sensing optical system with respect to a reference plane to have a predetermined relative state; and

a temperature sensor,

wherein said memory stores an adjustment amount for each of a plurality of temperatures.

48-78 (CANCELLED):